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(71)Applicant : HITACHI LTD

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(72)Inventor : YAJIMA TAKASHI
SAI REI
MASUI SHIYOUICHI
SHIGEIRI MASAHIKO
OKUDE SATOSHI

(54) INTELLECTUAL PLAN SUPPORTING SYSTEM

(57)Abstract:

PURPOSE: To curtail labor for generating a plan and to execute it in a short period of time by registering beforehand knowledge of constraint relaxation, preparing automatically an alternate plan for relaxing a constraint condition, when it is necessary to change an initial constraint condition, and offering beforehand the alternate plan to a user.

CONSTITUTION: The above system consists of a scheduling expert system 1, a work memory 6, and a constraint relaxation expert system 5, and the scheduling expert system 1 is provided with an end user interface 4, an inference engine 2, and a knowledge base 8. In such a state, in the constraint relaxation expert system 5, knowledge of each separate department related to a constraint relaxation processing is stored in advance, a system for a relaxation processing is determined by selecting department knowledge in each separate constraint condition which becomes an object, and when the constraint condition which becomes an object extends over two departments, a compromise point is searched by integration knowledge. In such a way, since an efficient support by an expert can be received automatically, labor for preparing a plan of a user can be curtailed, and also, the plan can be prepared in a short period time.

